

BAL'ZHID, O.

Banking system of the Mongolian People's Republic. Den. 1 kred. 14
no.8:25-32 Ag '56. (MLRA 9:9)

1. Predsedatel' pravleniya gosudarstvennogo banka Mongol'skoy Narodnoy
Respubliki.

(Mongolia--Banks and banking)

BAL'ZHID, G.

Role of the state bank of the Mongolian People's Republic in the
development of the economy. Den. i kred. 16 no.10:59-63 0 '58.
(MIRA 11:11)

1. Predsedatel' Pravleniya Gosudarstvennogo banka Mongol'skoy
Narodnoy Respubliki.
(Mongolia--Banks and banking)

BAL'ZHINOVA, B. Zh.

Meridian observations of direct ascensions of major planets
at the Tashkent Astronomical Observatory. Astron. tsir.
no. 154:3-7 N '54. (MLRA 8:6)
(Planets)

(AS 0235R)

BAL'ZHINOVA, B. ZH.

"Determination of Right Ascensions of Certain Major Planets from Visual Observations with a Transit Instrument and from Photographic Observations with a Normal Astrograph in Tashkent." Min. Higher Education USSR, Central Asiatic State U imeni V. I. Lenin, Tashkent, 1955. (Dissertation for the Degree of Candidate of Physical & Mathematical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

BAL'ZHINOVA, B. Zh.

One method for determining the position of the major planets
from photographic observations. Izv. AN Uz. SSR. Ser. fiz-mat. nauk
no.1:95-98 '57. (MIRA 13:8)

(Planets)

BAL'ZHINOVA, B.Zh.

Right ascensions of some major planets in 1943-1954. Astron.tsir.
no.178:7-9 Mr '57. (MLRA 10:9)

1. Tashkentskaya Astronomicheskaya Observatoriya.
(Planets)

BAL'ZHINOVA, B.Zh.

Right ascensions of Uranus and Jupiter observed at the Tashkent Astronomical Observatory in 1957. Astron.tsir. no.184:10 S '57.
(MIRA 11:4)

1. Tashkentskaya astronomicheskaya observatoriya.
(Uranus (Planet) (Jupiter (Planet)

SOV/35-59-8-6184

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,
Nr 8, p 14

AUTHOR: Bal'zhinova, V.Zh.

TITLE: The Right Ascensions of Jupiter and Uranus From Observations
Carried Out at the Tashkent Astronomical Observatory in 1958

PERIODICAL: Astron. tsirkulyar, 1958, August 26, Nr 194, p 8

ABSTRACT: The results of the observations carried out from November 1957
to June 1958 (α and $\Delta\alpha$) of Jupiter (12 positions) and Uranus
(15 positions) are given.

Card 1/1

LOGINOV, P.P.; BAL'ZHINOVA, B.Zh.; YASEVICH, B.V.; SHCHEGLOV, V.P.,
otv. red.; GOR'KOVAYA, Z.P., tekhn. red.

[Theory of meridian instruments and results of astronomical
observations] Teoriia meridiannykh instrumentov i rezul'taty
astronomicheskikh rabliudenii. Tashkent, Izd-vo Akad. nauk
Uzbekskoi SSR, 1961. 121 p. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk Uzbekskoy SSR (for
Shcheglov).

(Transit instruments)
(Astronomy—Observations)

ACCESSION NR.: AT4031279

8/0000/61/000/000/0022/0083

AUTHOR: Bal'shinova, B. Zh.

TITLE: Experimental determination of the right ascensions of major planets from visual and photographic observations at Tashkent

SOURCE: Tashkent. Astronomicheskaya observatoriya. Teoriya meridiannykh instrumentov i rezul'taty* astrometricheskikh nablyudeni (Theory of meridian instruments and results of astrometric observations). Tashkent, Izd-vo AN UzSSR, 1961, 22-83

TOPIC TAGS: astronomy, major planet, planetary astronomy, right ascension, planetary motion, planetary coordinate system, Mars, Jupiter, Saturn, Uranus

ABSTRACT: The determination of the coordinates of the major planets has been done at Soviet observatories on an irregular basis and such observations have not been given due attention. The right ascensions of a number of the major planets have been determined at Tashkentskaya astronomicheskaya observatoriya (Tashkent Astronomical Observatory) in accordance with a program used by the time service of that observatory. A comparison has been made of observations with a transit instrument and photographic observations of the right ascensions and declinations of these planets. The transit instrument was an Askania Werke instrument with a 100-mm

Card 1/3

ACCESSION NR.: AT4031279

objective, a focal length of 100 cm and a magnification of 100, supplied with a Repsold contact micrometer. The program included observation of 8-10 near-zenith stars and 1-2 near-polar stars; the entire program required 50-80 minutes. The paper is divided into the following sections: 1. Principal formulas for computation of right ascensions of major planets. 2. Instruments, apparatus and their testing. 3. Program of observations of right ascensions of planets. 4. Analysis of inclination of horizontal axis of the instrument. 5. Errors in determination of the time of transit of the planet or star through the collimation plane of the instrument. 6. Instrument azimuth. 7. Determination of clock correction. 8. Right ascensions of major planets. 9. Method of photographing Jupiter and stars on a single plate. 10. Measurement of rectangular coordinates of reference stars and Jupiter and determination of the position of Jupiter. 11. Accuracy of determination of the position of Jupiter. 12. Comparison of the position of Jupiter with the ephemeris and positions determined from visual observations. It is concluded that incidental observations of the major planets by time services can give satisfactory accuracy for the values of right ascensions. The mean square error in a single observation of Mars is $\pm 0''.023$, Jupiter — $\pm 0''.027$, Saturn — $\pm 0''.030$, Uranus — $\pm 0''.021$. The values of the instrument azimuth determined from observations of near-zenith stars were entirely reliable. Reliability of azimuth was established from observations of β Ursae minoris at the upper and lower cul-

Card 2/3

ACCESSION NR.: AT4031279

minations with simultaneous readings of one (the northern) azimuth mark. The right ascensions of the major planets, obtained from incidental observations of the time service, are virtually identical to the values obtained by the Khar'kov, Monte Mario-Roma, Greenwich and Washington observatories from usual differential observations. The right ascension of Jupiter was determined from photographic observations using a screen with a greater accuracy than from visual observations. The mean square error of this determination is $\pm 0^s.019$. There is an insignificant difference between the values of right ascensions determined from visual and photographic observations ($\alpha_{\text{phot}} - \alpha_{\text{vis}} = -0^s.003$). "The author expresses deep appreciation to Professor V. P. Shcheglov, Corresponding Member of the Academy of Sciences of the Uzbek SSR, and Candidate of Physical and Mathematical Sciences, M. F. Bykov, who assisted with valuable comments and advice during the work". Orig. art. has: 9 figures, 20 formulas and 26 tables.

ASSOCIATION: Tashkentskaya astronomicheskaya observatoriya (Tashkent Astronomical Observatory)

SUBMITTED: 25Sep61

DATE ACQ: 06Apr64

ENCL: 00

SUB CODE: AA

NO REF SOV: 045

OTHER: 014

Card 3/3

BALZHIRYN, Ts. L., Cand Med Sci—(diss) " Changes in the protein fractions
of the blood in chronic non-specific pneumonia and bronchial asthma."
Len, 1958. 15 pp (Min of Health RSFSR. First Len Med Inst), 200 copies
(EL, 49-58, 126)

- 82 -

BALZHKEVICH, B.I.

General method for determining the parameters of combined
multiterminal circuits (subcircuits). Avtom.kont. i izm.
tekhn. no.5:22-35 '61. (MIRA 14:11)
(Electric circuits)

SERENSEN, Sergey Vladimirovich; GIATSINTOV, Yevgeniy Valentinovich;
KOGAYEV, Vladimir Petrovich; STEPNOV, Mikhail Nikitovich;
Prinimali uchastiye: BAL'ZOVSKIY, F.K.; BORODIN, N.A.; VETKIN,
I.I.; IVANOV, G.T.; ZASLAVSKIY, B.V., kand.tekhn.nauk, red.;
NOVIK, A.Ya., tekhn.red.

[Structural strength of airplane alloys] Konstruktsionnaya
prochnost' aviatsionnykh splavov. Moskva, Gos.nauchno-tekhn.
izd-vo obor., 1962. 100 p. (Moscow. Aviatsionnyi tekhnologicheskii
institut. Trudy, no.54). (MIRA 16:2)

(Aluminum alloys--Testing)

BAM, L.A.

LA

11A

The effect of sodium bromide upon differential innervation in monkeys as determined by the physical strength of the inhibitory stimuli. L. A. Bam, *Arch. sci. biol.* (U. S. S. R.) 47, No. 3, 24-31 (in English, No. 1) (1937). -- Nalbe reinforces the inhibitory process, the dosage necessary for reinforcement being directly proportional to the physical strength of the inhibitory stimulus. S. A. K.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED SERIALIZED INDEXED FILED

SEP 10 1968

FBI - NEW YORK

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX	
BAM. L. A. Effect of calcium chloride on the higher nervous activity of dogs with a weak type of nervous system. L. A. Bani. J. Physiol. (U. S. S. R.) 27, 711-23 (1939). -- Various doses of CaCl_2 (0.08-2 g.) improved the conditioned reflexes. The differentiating resistance is strengthened and all other pos. conditioned reflexes are increased. It does not produce these effects. T. Laane.		11H	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION			
1939-1940		1941-1942	

BAM, L. A.

EFFECT OF CAFFEINE ON THE DYNAMICS OF NEUROSIS IN MONKEYS OF THE MACACUS LAPOEINENSIS FAMILY. L. A. Bam and S. D. Kaminskii. *Izv. Akad. Nauk SSSR Ser. Biol. Med.* 1967, No. 8, 47-51 (1967).—Under conditions of exptl. neurosis in a Macacus monkey small doses of caffeine (given subcutaneously 0.001–0.05 mg. per kg.) did not improve the conditioned reflex action. Increase of the dose to 0.1 heightened the reflex slightly. Dose of 0.12 mg. per kg. caused definite excitation and restlessness, which dropped sharply after 24 hrs. to be succeeded by a condition of irritational weakness and a peculiar tendency to masturbation (especially on the 2nd and 3rd day after the expt.). G. M. K.

BAM, L.A.

"The Conference of Physiological Problems, in memoriam of 5 years Elapsed Since the Death of Acad. I.P. Pavlov." (p.230) by L.A. Bam (Leningrad) (deceased)

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XV, 1942, No. 2

Bam, L. A.

Bam, L. A. "Effect of valerian on conditioned reflex action of dogs during normal condition of the blood in the large hemispheres," Trudy fiziol. laboratorii im. Pavlova, Vol. XIV, pp. 149-58--Bibliog: 6 items

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

BAM-ZELIKOVICH, G.M. (Moskva)

Acceleration of a conducting gas with minimum losses in strong
electromagnetic fields. Izv. AN SSSR Mekh. i mashinostr. no.5:
12-19 S-O '64 (MIRA 18:1)

IOFFE, L.R., starshiy bibliograf; FEL'DMAN, I.A., inzh., red.; BAMA, N.G., red.; DROZHZHINA, L.P., tekhn. red.

[Short bibliography on the economics and operation of the merchant marine] Kratkii bibliograficheskii ukazatel' literatury po ekonomike i ekspluatatsii morskogo flota. Leningrad, Izd-vo "Morskoi transport," 1959. 101 p. (MIRA 14:10)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut morskogo flota. 2. Nauchno-tekhnicheskaya biblioteka TSentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Ioffe). (Bibliography—Shipping)

GLIKMAN, L.A.; KOSTROV, Ye.N.; SUPRUN, L.A.; YELIN, I.A.; SHCHERBAKOV, P.S.;
ZOBACHEV, Yu.Ye.; DOBRER, V.K.; STRUMPE, P.I., kand.tekhn.nauk, otv.
red.; ARAKELOV, V.M., nauchnyy red.; BAMA, N.G., red.; KOTLYAKOVA, O.I.,
tekhn.red.

[Organization and technology of ship repair; corrosion and
mechanical strength of metals] Organizatsiia i tekhnologiia
sudoremonta; voprosy korrozionno-mekhanicheskoi prochnosti
metallov. Leningrad, Izd-vo Morskoi transport 1959. 76 p.
(Leningrad. tsentral'nyi nauchno-issledovatel'skii institut
morskogo flota. Trudy no.22) (MIRA 12:5)
(Metals--Testing) (Corrosion and anticorrosives)

GOLOVIZNIN, A.M., kand.tekhn.nauk; GOL'DENFON, A.K., kand.tekhn.nauk;
 GRIGOR'YEV, G.T.; KORNYAYEV, Yu.T.; SRABOV, K.Ye.; STRUMPE, P.I.,
 kand.tekhn.nauk, otv.red.; DRANITSYN, S.N., kand.tekhn.nauk, red.;
 GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; YEVREINOV, I.V.,
 kand.tekhn.nauk; KORCHAGIN, M.I., kand.tekhn.nauk; KURZON, A.G.,
 doktor tekhn.nauk; MIROSHNICHENKO, I. I. kand.tekhn.nauk;
 ROZHDESTVENSKIY, N.A., kand.tekhn.nauk; SYROMYATNIKOV, V.F.,
 kand.tekhn.nauk; BAMA, N.G., red.; STUL'CHIKOVA, N., tekhn.red.

[Marine nuclear steam turbine plants.] Sudovye iadernye
 proturbinnye ustanovki. Leningrad. Izd-vo "Morskoi transport,"
 1963. 135 p. Leningrad, TSentral'nyi nauchno-issledovatel'skiy
 institut morskogo flota. Informatsionnyi sbornik, no. 77/78.
 Tekhnicheskaya ekspluatatsiya morskogo flota, no. 15/16).
 (MIRA 17:2)

1. Sotrudnik TSentral'nogo nauchno-issledovatel'skogo
 instituta morskogo flota (for Goloviznin, Gol'denfon,
 Grigor'yev, Korniyayev, Srabov).

TONCHEV, T.A.; BAMBALOV, G.K.

A new fermentation tube. Mikrobiologiya 32 no.6:1095-1099
N-D '63 (MIRA 18:1)

1. Vysshiy institut pishchevoy i vkusovoy promyshlennosti,
Plovdiv, Bolgariya.

USSR/Electrochemistry

B-12

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26307

Author : N.V. Nikolayeva, B.B. Bamaskin

Title : Mechanism of Influence of Alkali Metal Ions of Process of Electrodeposition of Copper.

Orig Pub : Zh. fiz. khimii, 1956, 30, No 7, 1676-1677

Abstract : At the addition of 0.01 n. solutions of alkali metal chlorides to 0.001 n. $K_2S_2O_8$ solution and at the transition from Cs^+ to Li^+ , a shift of the potential to the positive side is taking place on polarograms of electrical reduction of the $S_2O_8^{2-}$ ion at a current of constant strength up to 1 v. The authors explain such an influence of the cation radius by the influence of the cations of the potential distribution on the double layer. In presence of less hydrated and more adsorbent Cs^+ ions, the structure of the double layer is less diffused than in presence of Li^+ in the same concentration, which, according to the theory of retarded discharge, should result in an acceleration of the influence of metal cations on the process of electrodeposition of Cu, proposed in the work of R.M. Vashenin and S.V. Goryachev (RZhKhim, 1955, 28568), is discussed.

Card : 1/1

S/035/62/000/001/027/038
A001/A101

AUTHOR: Bambaldokov, N.

TITLE: Mechanization of cartographic practice

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1962, 24, abstract 10168 ("Sb. stat. kartogr.", 1960, no. 2, 109-113, Bulgarian)

TEXT: This is a survey article. Mechanization of cartographic practice is considered from the viewpoint of movement for the fulfilment of the 5-year plan ahead of time. Technical processes of map compilation are listed, and adequate modern technique of their performance adopted in other countries (USSR, USA) is indicated,

G. Sh. ✓

[Abstracter's note: Complete translation]

Card 1/1

ROZHANSKIY, Lev Lazarevich; BAMBAS, A.M., prof., red.; BORUNOV, N.I.,
tekhn.red.

[Static electromagnetic frequency converters] Statische
elektromagnitnye preobrazovateli chastoty. Moskva, Gos.energ.
izdat., 1959. 94 p. (Biblioteka po avtomatike, no.11)

(MIRA 13:4)

(Frequency changers)

BAMDAS, A.M., doktor tekhn.nauk, prof.; BLINOV, I.V., inzh.; SHAPIRO,
S.V., inzh.

Static electromagnetic frequency multipliers for 4, 6, 8, and
9-fold frequency multiplication. Izv. vys. ucheb. zav.; energ.
4 pp.7:35-44 J1 '61. (MIRA 14:7)

1. Gor'kovskiy politekhnicheskii institut imeni A.A. Zhdanova.
(Frequency multipliers)

000000, . .

"Remarks on E. Pinos' article Stoping in Inclined Seams."
Uhli, Praha, Vol 4, No 6, June 1954, p. 190

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

BAMBAS, F. ; FRIEBEL, V.

The Anderton Coal Combine at the CSA Mine in the Ostrava-Karvina mining area.

P. 398. (UHLI) (Praha, Czechoslovakia) Vol. 7, no. 12, Dec. 1957

90: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

BAMBAS, Fr., inz.

"Against dustiness and silicosis in ore mines" by Bretislav
Nedbalek, Jan Picek. Eva Rouskova. Reviewed by Fr. Bambas.
Uhl 5 no.8:296 Ag '63.

BAMBAS, Fr., inz.

"Mine ventilation in practical examples" by [dr. inz.] Libor
Suchan. Reviewed by Fr. Bambas. Rudy 11 no.7:236 J1 '63.

RAMBAS, Frantisek, inz.

Proposal on standardization of the miners' emblem. Rudy
12 no.10:390-391. O '64.

SVEHLA,C.; SVORCIK,C.; SLIZ,K.; SPANKOVA,H.; HLAVINKOVA,M.; BAMBASOVA,Z.

Changes in blood coagulation in ischemic coronary states determined by the heparin tolerance test. Cas. lek. cesk. 103 no.22:597-600 29 My'64

1. Vyzkumny ustav experimentalni terapie a interni katedra UDL v Praze (reditel: doc. dr. O.Smahel, DrSc.) a I. interni oddeleni Thomayerovy nemocnice v Praze-Kroi (vedouci: MUDr. J.Trojan).

SCHUCK, O.; CHOLINSKY, K.; MARKOVA, Z.; Laboratorní spolupráce: ZLOCHOVA, A.;
ZELENKOVA, I.; BAMBASOVA, Z.

Excretion of osmotically active cells in the course of maximum
water diuresis in man. Cas. lek. cesk. 103 no.46:1265-1270
13 N '64.

1. Vyzkumny ustav experimentalni terapie v Praze, (reditel prof.
dr. O. Smahel, DrSc.) a Interni katedra Ustavu pro doskolovani
lekaru v Praze (vedouci prof. dr. O. Smahel, DrSc.).

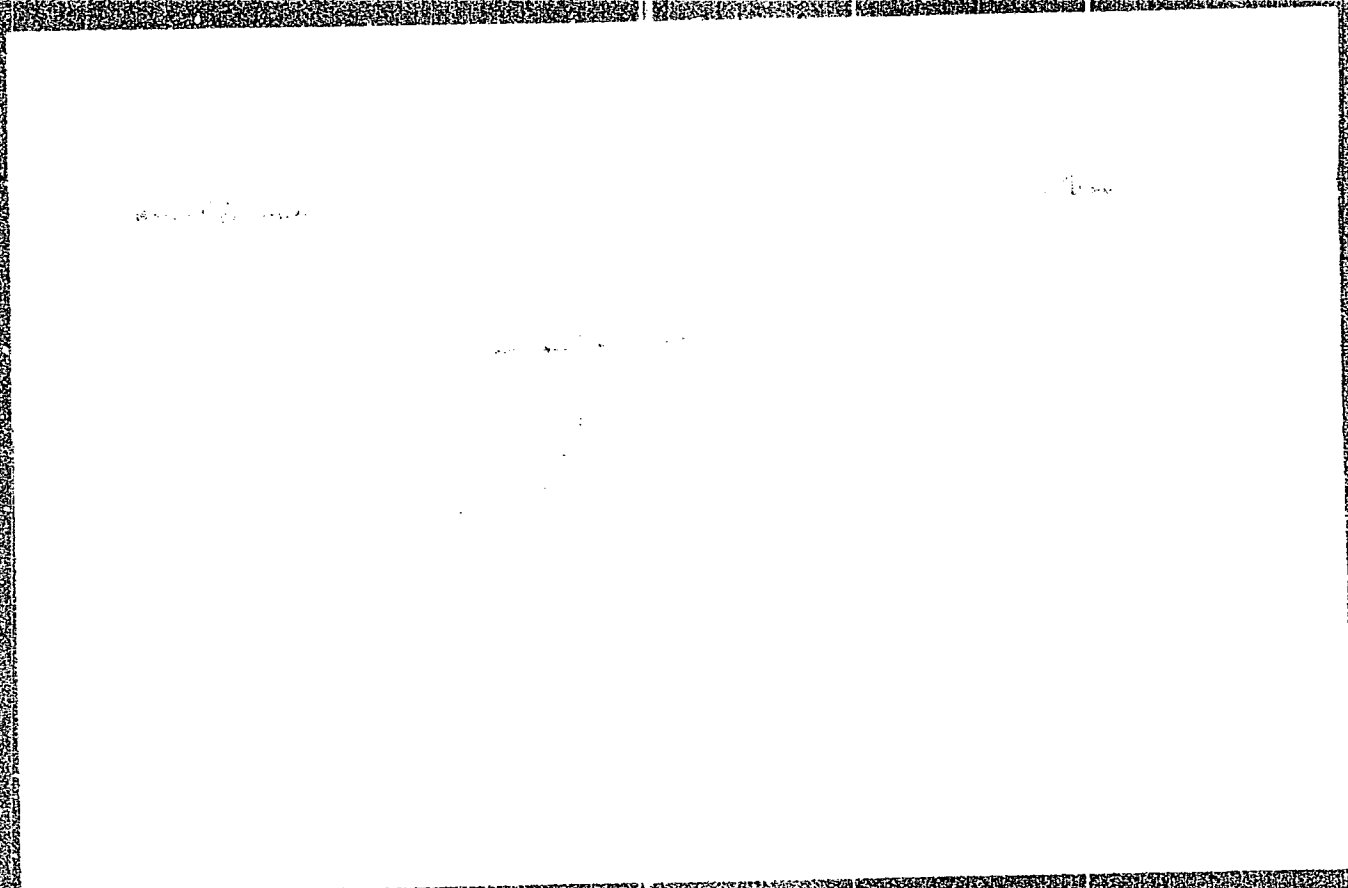
SMAHEL, O.; SCHUCK, O.; DVORACEK, K.; Technicka spoluprace: NECASKOVA, A.;
BAMBASOVA, Z.

Distribution capacity and plasma and renal clearances of penicillin
G. Cas. lek. Cesk. 104 no.41:1117-1122 15 0 '65.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof. dr.
O. Smahel DrSc.).

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

BAMBE, L. Ya., ~~Polak, L. S.~~

"Use of Scintillation Gamma-Spectrometer for Radioisotope Analysis,"
From the book-(Physics and Technique of Use of Radioisotopes), Works of the
Institute of Physics, Vol 9, edited by Ya. E. Chudars, Candidate of Physi-
comathematical Sciences; I.M. Taksar, Candidate of Physicomathematical Sciences;
and L. L. Palekis, Riga, Publishing House of the Academy of Sciences Latvian
SSR, 1956, 165 pp

Sum in 1467

SOV/137-58-9-20222

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 300 (USSR)

AUTHORS: Bambe, L.Ya., Pelekis, Z.E., Pelekis, L.L.

TITLE: Determination of the Thickness of Steel by Diffused Gamma Radiation (Opredeleniye tolshchiny stali po rasseyannomu gamma-izlucheniyu)

PERIODICAL: Tr. In-ta fiz. AN LatvSSR, 1957, Vol 10, pp 91-101

ABSTRACT: A method is described for measuring the thickness of steel articles with the aid of the registration of diffused radiation (DR) from a radioactive source of Cs^{137} . The variation in the scintillation γ -spectrum in relation to the thickness of the diffuser (D) was studied. 50x50 mm plates located at a distance of 60 mm from the scintillator were used in the role of D. Also investigated was the relationship of the intensity of DR and the thickness of Al, Fe, and Pb. An elementary estimation of the latter agrees well with the experimental data. The effect of the area of D on the measurement of the thickness was established by means of photographing the spectra of DR from cylinders 4-40 mm in diam. It is established that the increase in DR is considerably lessened from the 25 mm diam upwards.

Card 1/2

SOV/137-58-9-20222

Determination of the Thickness of Steel by Diffused Gamma Radiation

The spectrum of DR was studied in relation to the distance from the D to the scintillator. On the basis of the data obtained, an instrument was developed with the aid of which it is possible to measure the thicknesses of objects approachable from only one side. A block-diagram is given and a brief description of the operation of the instrument is adduced.

A.F.

1. Steel--Plates---Thickness
2. Steel Plates---Measurement
3. Gamma rays---Applications
4. Gamma rays---Diffusion
5. Cesium isotopes (Radioactive)---Gamma ray spectrum

Card 2/2

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300

301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400

401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500

501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600

601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700

701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800

801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900

901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100

1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200

1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300

1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400

1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500

1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600

1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700

1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800

1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900

1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100

2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200

2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300

2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400

2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500

2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600

2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 264

15

BAUMBERG, K.

PROCESSES AND PROPERTIES INDEX

100 AND 110000

COMMON ELEMENT

COMMON VALUABLE ELEMENT

ACTIVE AND PASSIVE PLANT NUTRIENTS IN THE SOIL AND THEIR ESTIMATION. K. Baumberg. *Z. Pflanzenernähr., Düngung Bodenb.* 45, 184-88 (1936).—Active plant nutrients are those immediately assimilable, passive plant nutrients are reserves capable of becoming active with a change in conditions, which may be merely the removal of the active portion. The soil is a dynamic system, and its stock of nutrients is not to be considered a static quantity. The concn. of active nutrients produces a certain physical effect evident in yields, but the activity factor is not a const., so the effective nutrients called: from, e. g., Mitscherlich expts., do not correspond to the active nutrients. Soil productivity ~~cannot~~ is not only from the active nutrients of the soil, but from the passive nutrients which become active in the following seasons. Long-continued pot expts. have shown that after the exchangeable K of the soil has been exhausted, the crop still is able to secure about a const. amt. of K_2O annually; this quantity characterizes the passive K_2O in the soil. It varies, 1-10 mg. $K_2O/100$ g., depending upon total K_2O , reaction and texture, and is usually less with podzols than with

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

BOOK SYMBOLISM

BOOK NUMBER

00000 01 00000 NIT GEN GEN

DELIVERY

001101 GEN GEN 101

exchange capacity than the nonregimes. A highly significant correlation exists between the N content and the exchange capacity of these materials and the base-exchange capacity and lignin contents are significantly correlated. No correlation exists between the base-exchange capacity and C content. The exchange capacity of the soil, of alk-benzene-sol. material. The exchange capacity of the materials increased as the decompos. progressed, but the relative position with regard to exchange capacity shifted as decompos. progressed. During decompos. the materials increased in base-exchange capacity many times more than they decreased in wt. or lignin content. The percentage decompos. of lignin ranged from 24.7% with 1 sample of cane sorghum to 64.80% with a sample of soybeans.

J. R. Adams

BAMBERG, K.

Bamberg, K. and Gaross, Ya. "Peat bog mixtures as a fertilizer," Izvestiya Akad. nauk Latv. SSR, 1949, No. 2, p. 15-22, (In Latvian, resume in Russian)

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

BAMBERG, K.

Bamberg, K. "The fertilization of white cabbage and the loss of food elements," Izvestiya Akad. nauk Latv. SSR, 1949, No.3, p. 37-46, (In Latvian; resume in Russian), - Bibliog; 8 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

COUNTRY	:	HUNGARY	R
SUBJECT	:	Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae	
ABD. SOUR.	:	Mezkiel., No. 13, 1958, No. 59764	
AUTHOR	:	Hamberrer, K.; Szakmary, G.; Kaluk, T.	
INST.	:	-	
TITLE	:	Experience with the Vaccine Prepared from Small- pox Virus Isolated from Turkey Hens	
ORIG. PUB.	:	Magyar allatorv. lapja, 1957, 12, No 4-5, 112- 117	
ABSTRACT	:	The vaccine prepared from the isolated virus of turkey hens, cultivated on the membranes of the hens' embryo, and tested on turkey hens, hens and turkey poultz produced a good result.	

Card: 1/1

C, A. V-48

Jan 10, 1959

Botany

(2)

Data on chemical composition of grains of Latvia. K. Bambergis (Soil & Agr. Inst. Acad. Sci. Latv. S.S.R.). Latvian PSR Zinatnu Akad. Vestis 1949, No. 6 (Whole No. 23) 45-54 (Russian summary).—Contents of protein, fat, cellulose, ash, and N-free ext. substance of Latvian grains are tabulated. The fat content in the grain and the protein content in the straw are in av. lower than in the south and south-east regions of U.S.S.R. A. Dravnieks

unrec N v.2.

U.48 25 Jan 54

Botany

Content of mineral substances and microelements in healthy and in inner-rotten trees. K. Bamberg and M. Knävin. *Latvijas PSR Zinatnu Akad. Vēstis* 1950, No. 8 (Whole No. 37), 21-30 (Russian summary).—The sapwood of growing inner-rotten trees was found to contain more

phosphates, N, Zn, and, frequently, more Mn than the sapwood of healthy trees. The rotten inner wood contained considerably more N, mineral substances, and microelements than the corresponding parts from healthy trees; only the Cu content was somewhat lower. In the heartwood of rot-resistant oak, pine, and *Latix sibirica* the content of Zn and, usually, of phosphate was lower than in the sapwood of these trees, and also lower than in the wood of typical sapwood trees. It is concluded that high phosphate, N, and Zn, and low Cu content makes some growing trees susceptible to the inner rot. One ton of wood ashes contains 4.5-19 kg. of $ZnSO_4$ and 0.4-2.3 kg. $CuSO_4$. A. D.

(2)

2

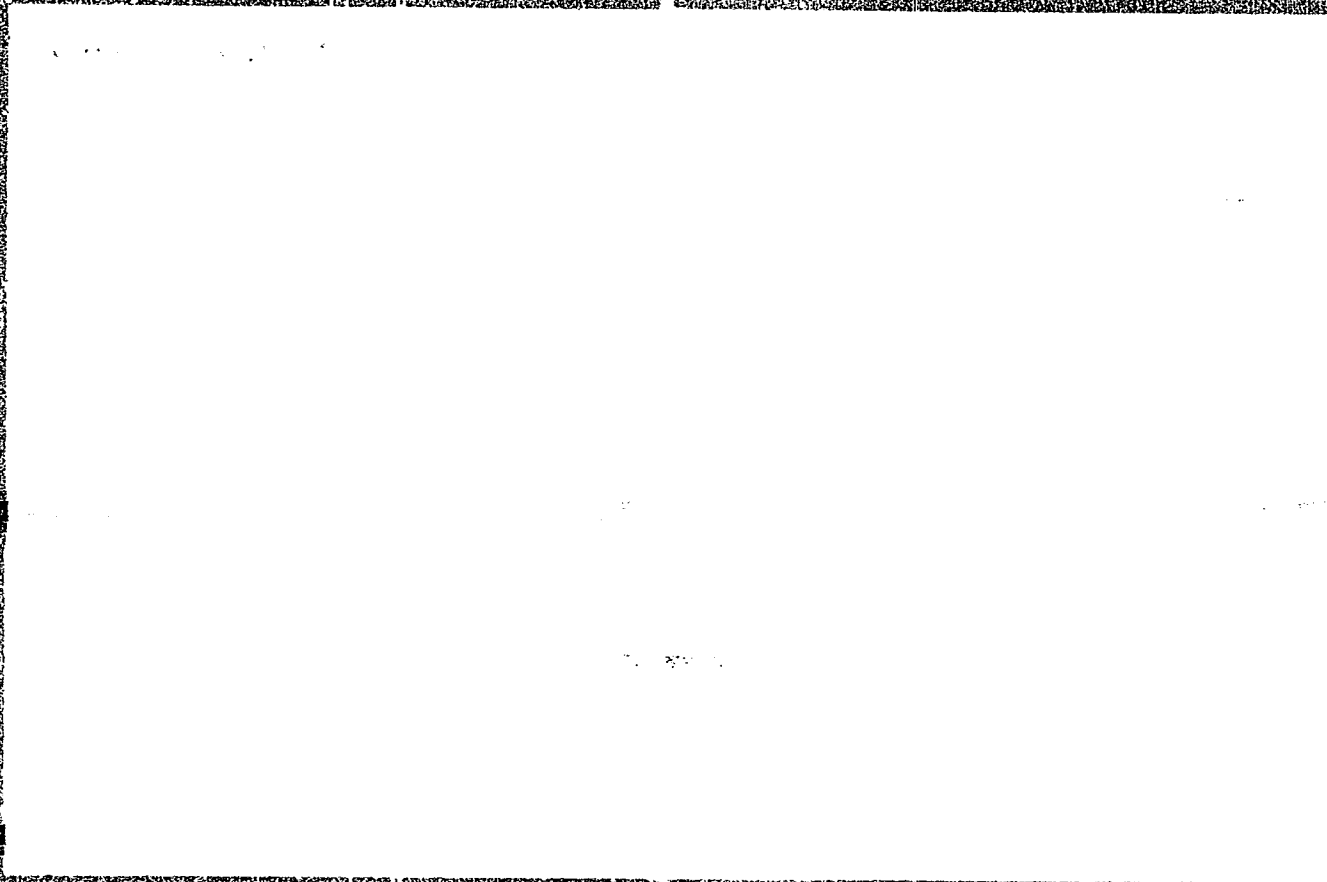
Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Soils and Fertilizers

Exchange bases of soils and their relation. K.
Dambergs (Acad. Sci., Rigs. Latvia). Latvian. PSR
Zinatnu Akad. Vēstis 1930, No. 9 (Whole No. 38) 25-30
(Russian summary, 31).--Data on the content of humus
substance, pH, Ca, Mg, K, Na, and Mn of the field soils
of Latvia are presented. The Ca and Mg content in acidic
soils is found to be much lower than in neutral and slightly
basic soils. K and Na content is relatively higher in acidic
soils. The av. percentage of base deficiency is given for
several types of soil.
I. A. Dungs

1. BAMBERGS, K., Prof.: KNAVINA, M.
2. USSR (600)
4. Pear
7. Data on the content of mineral substances in apples and pears.
Latv. PSR Zin. Akad. Vestis, no. 11, 1950.
9. Monthly List of Russian Accessions, Library of Congress, March 1953.
Unclassified.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

... object in some plants ...
... 5. Schaeffer ...

BAMBERG, K.

6762. Bamberg, K. Reaktsiya i izvestkovaniye pochvy. Riga, latgosizdat, 1954. 108 s. s. ill 20 sm. 3.000 ekz. 1 r. 45 k.-- Bibliogr: s. 107 (16 nazv.)--Na latysh. yaz.--(55-1642) 631.821 & (016.3)

SO: Knizhnaya Letopis' No. 6, 1955

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3

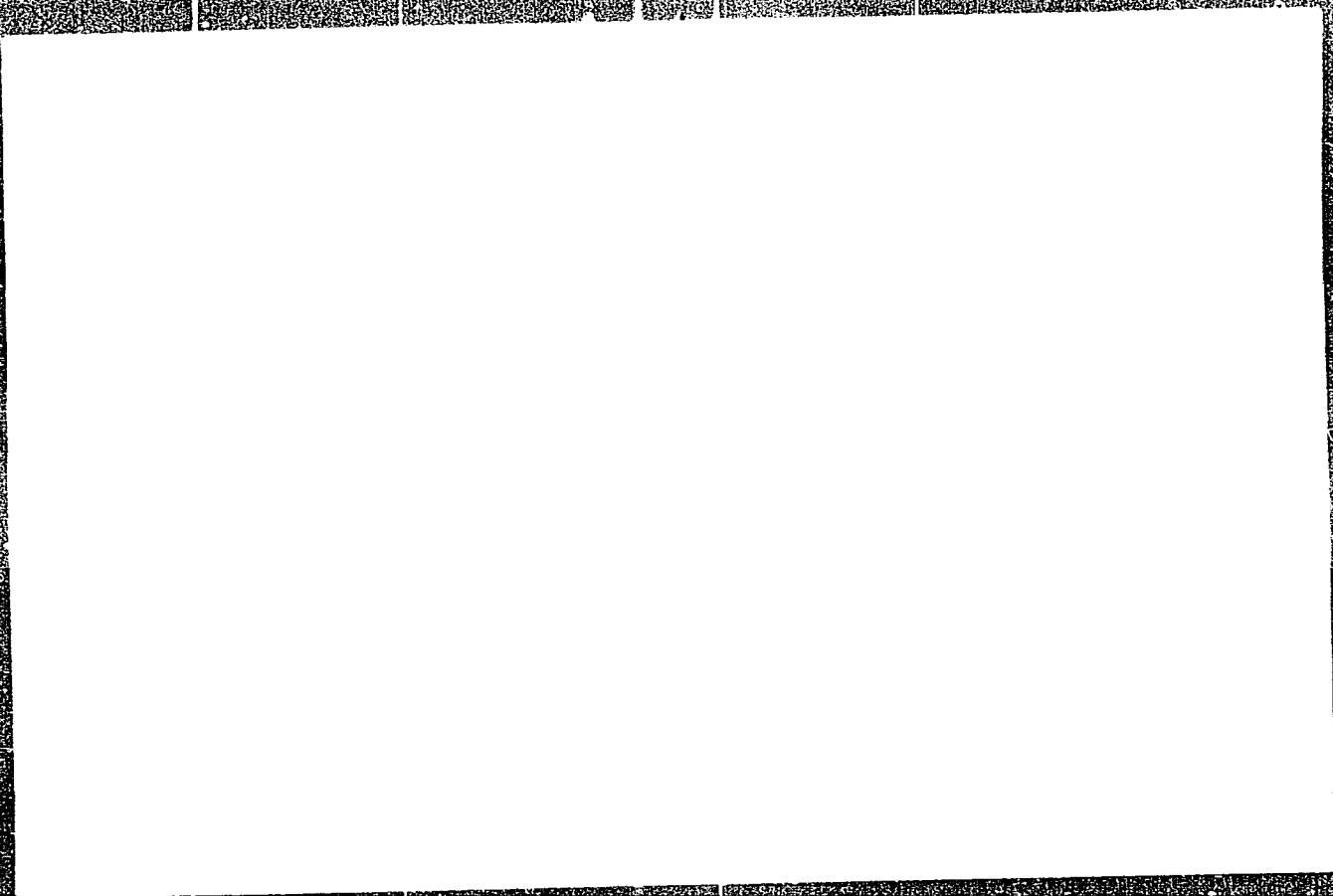
1 2 3 4

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

BAMBERGS, K.. ed.

Latvijas PSR izmēģinājumu staciju zinātniskie darbi. Rīga, Latvijas valsts izdevniecība, 1954. 241 p. (Scientific work of the Latvian experiment stations)

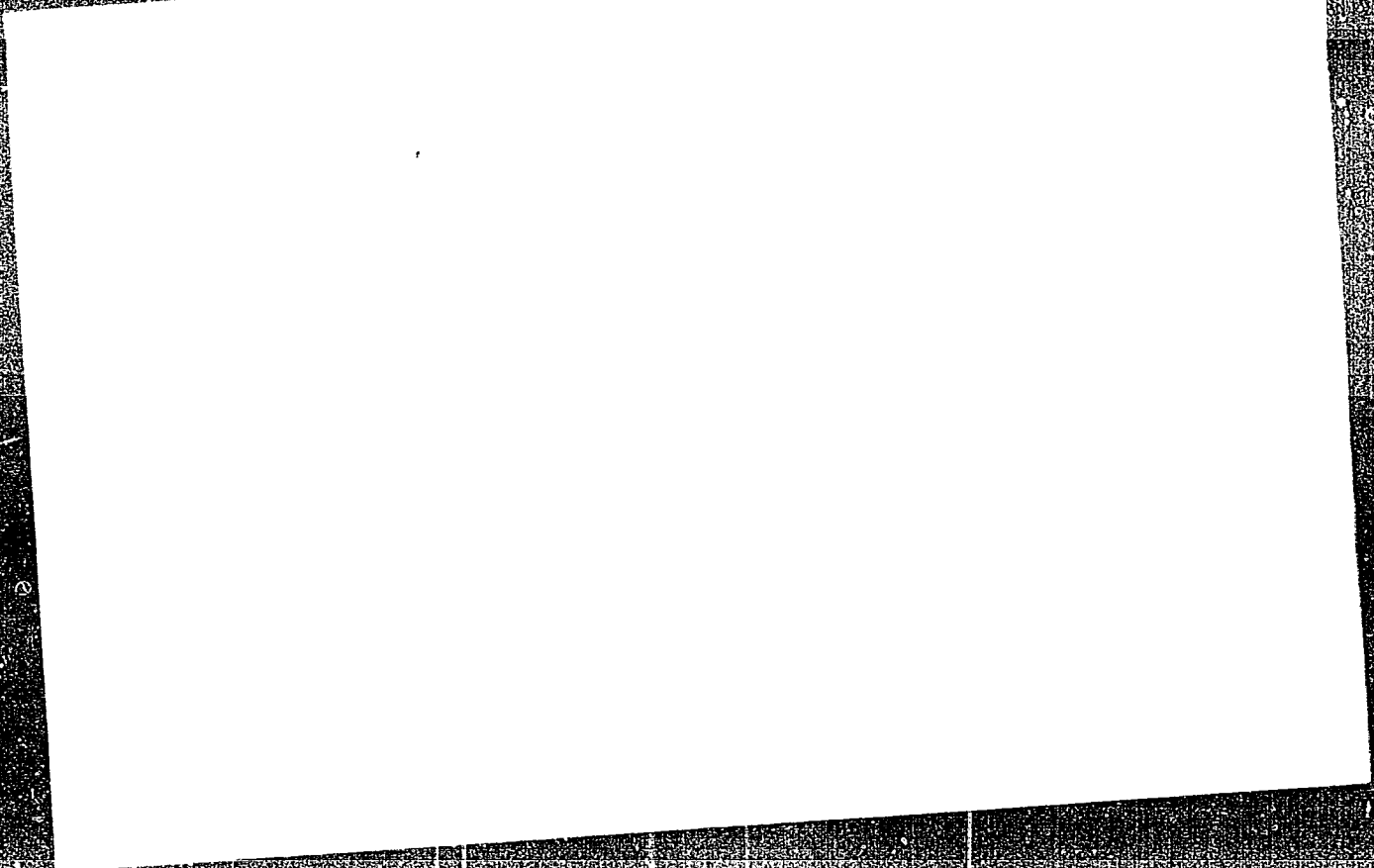
DA

Not in DLC

SO: Monthly Index of East European Accession (EEA) IC. Vol. 7, No. 5, 1958

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330008-3"

BAMBERG, K. K.

Bamberg, K.K.

"The formation of swamp soils in the Latvian SSR. in connection with climatic changes in the post-glacial period." Latvian Agricultural Academy. Riga, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

BAMBERGS, K.

"Organiskie meslosanas līdzekļi. Rīga, Latvijas valsts izdevniecība, 1956.
125 p. (Organic fertilizers)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

J-4

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34423.

Author : Bamberg, K.K.

Inst : Institute of Soil Science and Agriculture of the
AS LatvSSR.

Title : Content of Trace Elements in Plants and Means to
Increase the Efficiency of Trace-Elemental Fertilizers.

Orig Pub: V sb.: mikroelementy v s.kh. i meditsine, Riga,
AN LatvSSR, 1956, 67-80.

Abstract: Based on data of many years, obtained by the Institute of Soil Science and Agriculture of the Academy of Sciences of the Latvian SSR, it is shown that content of Fe, Cu, Mn, Zn, Co and Mo per 100 g of absolutely dry matter - in seeds of winter and summer wheat, rye, barley, oats, peas,

Card 1/3

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34423.

Abstract: vetch, flax, timothy, red and hybrid clover, during the phase of blooming, changes in relation to the type of soils, climate, fertilizers, etc. Content of Mn in the seeds of the leguminous is less than in the seeds of cereals and flax. Content of Co in leguminous is 2-3 times, and in case of Mo 5-6 times more than in cereals. In the seeds of plants, grown on swamp peat soils, content of Cu and Co is less, and that of Zn higher, as compared with those grown on mineral soils. With the increase of the acidity in soils, the accessibility of Mn, Zn and Cu for the plants is increasing, and that of Mo decreasing. In the years of ample precipitation, the content of trace elements in seeds increases. Liming lowers the accessibility of Cu, Mn, B, and increases that

Card 2/3

42

J-4

USSR / Soil Science. Mineral Fertilizers.

Abs Jour: Ref Zhur-Biol., No 8, 1958, 34423.

Abstract: of Mo. Nitric fertilizers are favoring, but P_s delaying the inflow of Mn, Cu, and Zn into plants. Placement with seeds of granulated trace fertilizers or treating the seeds with them prior to sowing, followed by top-dressing (spraying) of plants, represents a more effective method, as compared with the placement of trace elements directly into the soil. -- A. P. Sheherbakov.

Card 3/3

BAMBERG, K.K.

USSR/Soil Science - Physical and Chemical Properties of Soil. J.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15288

Author : K.K. Bamberg, M.M. Dudin'sh

Inst :
Title : Soil Absorption of Boron
(Pogloshcheniye pochvoy bora).

Orig Pub : Izv. AN Latv SSR, 1956, No 9, 63-68

Abstract : To determine the absorption of B, samples were taken of different soil types from the jumus horizon or arable layer. The tests were made in moistures ranging from 10-60% and a specific amount of B was added to them in the form of a brown solution. The samples were stirred and placed in closed glass jars. After 6 to 30 days one made extracts of HCl with 0.01 N of the final acidity, together with extracts with a N solution of KCl. Besides this, the water soluble B content was determined. In about 6 months, the air dried soil samples were once again tried

Card 1/2

26

USSR/Soil Science. Mineral Fertilizers

J-5

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91464

Author : Bamberg K., Balodo A., Zarinya A.

Inst : AS Latvian SSR

Title : The Yield Effect of Spraying Seeds with Micronutrients

Orig Pub : Izv. AN LatvSSR, 1957, No 6, 33-34

Abstract : Results are given of vegetative (soil cultures) and field tests where seeds have been sprayed with various doses of borax, borate and CuSO_4 . The method has been applied to several cultures: carrots, sugar and red beet, the Swedish turnip, flax, corn, oats, barley and vetch. If the seeds were sprayed and sowed on the same day, the germinating capacity was not reduced at a dosage of 8-12 g/kg for borate and 2-4 g/kg for sulphate. The crop then rose. Also, the coefficient describing the use of microfertilizers increased abruptly, compared with that of the ordinary manner of applying the fertilizers one after the other. A test with the combined application of microfertilization and seed soaking in fungicide

Card : 1/1 showed the prospects of this method. -- N.I. Borisova

Country : USSR

Category: Cultivated Plants. Potatoes. Vegetables.
Cucurbits.

M

Abs Jour: RZhBiol., No 22, 1958, No 100286

Author : Bamberg, K.; Ruska, A.

Inst : AS Latvian SSR

Title : Chemical Sorting of Seed Potatoes.

Orig Pub: Latv. PSR Zinatnu Akad. vestis, Izb. AN LatbSSR,
1957, No 12, 83-88.

Abstract: In the three-year experiments, the application of potassium and magnesium sulphates in the chemical sorting of potatoes produced better results than the application of Kol solution. After sorting by chemical means, it is recommended not to cut wet tubers and not store them

Card : 1/3

M-52

Country : USSR
Category: Cultivated Plants. Potatoes. Vegetables.
Cucurbits.

M

Abs Jour: RZhBiol., No 22, 1958, No 100286

in heaps since this can cause a complete loss of the germinating ability in the tubers. After chemical sorting in KCl solution, tubers should be planted immediately. If storage for 2 or 3 days is necessary, the sorted-out tubers are sprinkled layer by layer with dry peat. Sortin increases the yield of the potatoes. In the study of the diffusion of ions of Cl, SO₄ and PO₄ from salt solutions, it was found that they pass into the tubers considerably slower through the skin than through the eyes. The amount of ions diffusing into the tubers de-

Card : 2/3

Country : USSR

M

Category: Cultivated Plants. Potatoes. Vegetables.
Cucurbits.

Abs Jour: RZhBiol., No 22, 1958, No 100286

pende on the duration of the effect of the
solution on the tubers. Diffusion of Cl
ions proceeds approximately twice as fast
as the diffusion of SO₄ and PO₄ ions. Mg
ions pass into the tubers slower the K
ions. -- Ye. M. Tsvetayeva

Card : 3/3

M-53

BAMBERGS, K.

GENERAL

PERIODICALS: VESTIS, No. 2, 1958

BAMBERGS, K. CONTENT OF MICROELEMENTS IN LATVIAN PLANTS. IN RUSSIAN. P. 59

Monthly list of East European Accessions (FEAI) IC, Vol. 8, No. 2,
February 1959, Unclass.

RAMBERGS, K.

GENERAL

PERIODICALS: VESTIS, No. 3, 1958

RAMBERGS, K. Fresh-water, lime, a review of books. p. 157

**Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.**

BAMBERG, K., prof.

Determination and content of microelements in biological objects and
cattle fodder. Vestis Latv ak no.2:189-190 '60. (ZBAI 10:1)
(Trace elements) (Feeds) (Fodder)

BAMBERG, K. [Bamberg, K.]

Use of microelements and seed disinfectants. Vestis Latv ak no.6:
103-106 '60.

(Trace elements) (Seed)

BAMBERG, K.K. [Bamberg, K.]

Trace element concentrations in plants of the Latvian S.S.R.
Trudy Biogeokhim. lab. no.11:60-64 '60. (MIRA 14:5)

1. Institit biologii AN Latvyskoy SSR.
(LATVIA—PLANTS—CHEMICAL COMPOSITION)
(TRACE ELEMENTS)

BAMBERG, Ye. A.

Dissertation: "The Use of Magnetrons for High-Frequency Heating." Cand Tech Sci,
Leningrad Inst of Cinema Engineers, Leningrad, 1953. (Referativnyy Zhurnal--Fizika--
Moscow, Apr 54)

SO: SUM 243, 19 Oct 1954

24.670

S/057/62/032/006/021/022
B108/B102

AUTHORS: Bamberg, Ye. A., and Dresvin, S. V.

TITLE: Temperature of a flare discharge stabilized by an air stream

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 6, 1962, 772 - 774

TEXT: The temperature of a flare discharge burning in a quartz tube and stabilized by a stream of air was measured using the relative intensity of the lines of the atomic spectrum of iron (an armco iron nozzle was used as one electrode) with the least effect of reabsorption (Ornstein method). Temperature was equal to about 3900°K and was independent of the speed of the air stream. The power of the discharge was 1.2 and 2 kw and, within the limits of error, had no effect on temperature. Two regions were observed in the flare discharge: A bright pinch with high-frequency heating of the plasma and a surrounding region as a result of heat transfer processes. There are 1 figure and 1 table. The most important English-language reference is: I. D. Cobin a. D. A. Wilbur. J. of Appl. Phys., 22, 835, 1951. JB

Card 1/2

Temperature of a flare discharge...

S/057/62/032/006/021/022
B108/B102

ASSOCIATION: Nauchno-issledovatel'skiy institut tokov vysokoy chastoty im.
prof. V. P. Vologdina, Leningrad (Scientific Research
Institute of High-frequency Currents imeni Professor
V. P. Vologdin, Leningrad) 15

SUBMITTED: October 12, 1961

Card 2/2

BAMBERG, Ye. A., kand.tekhn.nauk; DOROFYEVA, Ye.S., inzh.; DRESVIN, S. V.

Use of a ring discharge in the derivation of high-temperatures.
Trudy NIITVCH no.4:97-107 '63. (MIRA 17:7)

BAMBERG, Ye. A., kand.tekhn.nauk; LIPAVSKAYA, N. Ye., inzh.; MALKOVA, G.M.

Development of high-frequency stoves for food preparation.
Trudy NIITVCH no.4:121-130 '63. (MIRA 17:7)

BAMBERG, Ye.A., DRESVIN, S.V.

Determination of some parameters of a high-frequency ring
discharge. Zhur.tekh.fiz. 33 no.1:65-72 Ja '63. (MIRA 16:2)
(Electric discharges)

L 32614-66 EWT(1) JM
ACC NR: AR6000069

SOURCE CODE: UR/0275/65/000/009/A022/A022

AUTHOR: Banberg, Ye. A.

TITLE: Determination of operating parameters of an a-c magnetron

SOURCE: Ref. zh. Elektronika i yeye primeneniya, Abs. 9A145

REF SOURCE: Tr. Vses. n.-i in-ta vysokoy chastoty, vyp. 5, 1964, 100-104

TOPIC TAGS: magnetron, triode tube, HF

ABSTRACT: It is sometimes advisable to use anodic feeding of the magnetrons without rectification in HF heating devices with continuous-generation magnetrons. The experimental investigations showed that, unlike triode-type generator tubes, where such circuits are not economical, the efficiency of magnetrons operating with a cut-off angle of 30 to 60 degrees approaches that which is achieved during d-c operation, and the sensitivity of the magnetrons to the HF load is less. The selection of the cut-off angle determines to a considerable extent the basic characteristics of the device. However, direct determination of the cut-off angle and other operational parameters of the magnetrons is difficult during operation of the device. A method of determining these parameters on the basis of three readily measurable magnitudes is proposed: the voltage of the no-load feed current, the

Cord 1/2

L 32614-66

ACC NR: AR6000069

effective current, and the average anode current. Calculation formulas and curves are given. M.R.

SUB CODE: 09/ SUBM DATE: none

Card 2/2

BAMBERGER Karoly
HUNGARY/General Problems of Pathology. - Tumors

U-4

Abstr Jour : Ref Zhur - Biol., No 7, 1958, No 32600

Author : Bamberger Karoly, Derzsy Domokos, Elek Pal
Inst : Not Given
Title : The Significance of Leukemia in Poultry Raising.

Orig Pub : Magyar allatorv. lapja, 1957, 12, No 3, 77-80

Abstract : No abstract

Cerd : 1/1

HUNGARY

HAMBERGER, K., of the Veterinary Research Institute (Director: MESZAROS, J.) of the Hungarian Academy of Science [Original versions not given].

"The Virus of a Rous Sarcoma Inducing Tumor Formation and Hemorrhage in Chickens and Hen Embryo"

Budapest, Acta Veterinaria, Vol 12, No 4, 1962; pp 397-403.

Abstract [English article; author's English summary]: A new strain of Rous sarcoma virus is described. The strain often induces hemorrhage without tumor, not only in embryos but also in chickens. [10 references, mostly Western].

1/1

BAMBERGER, Károly, dr., az allatorvostudományok kandidátusa; SZAKMÁRY, Géza,
dr., az allatorvostudományok kandidátusa

Variability of the virulence of the pox virus from turkey. Magy
allatorv lap 17:38-40 S '62.

1. Magyar Tudományos Akadémia Allategészségügyi Kutató Intézete
(for Bamberger). 2. Phylaxia Allami Oltoanyagtermelő Intézet;
"Magyar Allatervosok Lapja" munkatársa (for Szakmáry).

HUNGARY

BAMBERGER, Karoly, Dr., candidate of veterinary sciences, JANZSO, Jozsef, Dr., KOTB, Bela, Dr., candidate of veterinary sciences, BARSY, Gyula, Dr., The Animal Health Research Institute of the Hungarian Academy of Sciences (A MTA [Magyar Tudományos Akademia] Allatorvosegyzeti Kutato Intezete) (director: MEZAROS, Janos, Dr., candidate of veterinary sciences); The Phylaxia State Vaccine Producing Institute (Phylaxia Allami Oltovanygyartasi Intezet) (director: MOLNAR, Jozsef, Dr.) and the National Public Health Institute (Orszagos Kozegeszsegügyi Intezet) (presiding director (chief, delegate) BARAKCS, Tibor, Dr., doctor of veterinary sciences,).

"Reduction of Losses Caused by Fowl Leucosis by Foreign Protein Therapy."

Budapest, Magyar Allatorvosok Lapja, Vol. 16, No. 3, Mar 65, pp 106-111.

Abstract: [Authors' English summary modified] Two big poultry farms affected by leucosis used the Reinhauser foreign protein therapy. Half of the animals received 1 ml subcutaneous doses of swine erysipelas serum produced from horses. During the 8 months observation period, three times more control animals came down with the disease than those

1/2

Summary

Boonprad, [?]. Albino Duck Virus. Vol 18, No 3, Mar 63, pp 108-111.

which received the serum. The disease, however, was not eliminated as was shown on a third farm, where all animals received 2 doses of the serum. Although the reduction of the disease was significant, the author does not recommend the use of this protective measure for it takes the recognition of the essentially not resistant virus difficult. The construction was unchanged by the treatment. The author's view of the mechanism of action of this therapy is discussed. No references.

12/2

BAMBERGER, K.; MARKOVITS, P.

Studies on tissue-culture-propagated turkey-pox virus. Acta
veterin. acad. sci. Hung. 15 no.2:161-165 '65

1. Veterinary Medical Research Institute (Director: J. Mezzaroca)
of the Hungarian Academy of Sciences, Budapest, and Phylaxia
State Vaccine Institute (Director: J. Molnar), Budapest.

BAMBERGER, K.

Survey on the experimental and literary basis of the control of
avian leucotic complex in Hungary. Acta veter Hung 14 no.3:253-265
'64.

1. Veterinary Medical Research Institute (Director: J. Meszaros),
Hungarian Academy of Sciences, Budapest.

HUNGARY

BAMBERGER, Karoly, Dr, Candidate in Veterinary Sciences; and JANZSO, Jozsef, Dr; MTA [Magyar Tudomanyos Akademia; Hungarian Academy of Sciences] Research Institute of Veterinary Hygiene (Allategeszsegugyi Kutato Intezete); director: Dr Janos MESZAROS

"Interrelations Between the Age of the Hens and the Loss Rate in Their Chicks."

Budapest, Nagyar Allatorvosok Lapja, Vol 18, No 4, Apr 63, pp 149-151

Abstract [Authors' English summary modified]: Under identical test conditions, losses due to leucosis and respiratory diseases were significantly lower (from the age of one day to six months) in chickens from 14- and 24-month-old hens than from 10-month-old ones. In replacing the breeding stock, therefore, hens less than 12 months old should be used only on those farms where the prerequisites for careful selection are ensured. No references.

1/1

BAMBERGER, Karoly

Practical possibility of active immunization against viral
avian erythroblastosis. Kiserl. orvostud. 15 no.6:617-621
D '63.

1. Magyar Tudományos Akademia Allategeszsegugyi Kutato Intezete.
(AVIAN LEUKOSIS) (IMMUNIZATION)

BAMBERGS, K., prof., red.; ZVIRBULIS, H., red.; PASTARE, D., tekhn. red.

[Manual for agricultural workers] Rokasgramata lauksaimniecibas darbiniekiem. Prof. K.Bambergas red. Riga, Latvijas Valsts izdevnieciba, 1959. 501 p. [In Latvian] (MIRA 14:12)

1. Latvijas Lauksaimniecibas akademijs (for Bambergas).
(Agriculture--Handbooks, manuals, etc.)

BAMBERGS, K., akademik, red.; OZOLS, A., akademik, red.; EIHE, E.,
red.; CINOVSKIKH, J., doktor biol. nauk, red.; VANAGS, J.,
red.; SKLENNINS, C., red.; LEMBERGA, A., tekhn. red.

[Increasing the yield of row and pulse crops] Rūsinamaugu un
paksaugu razības kapinasana. Rīga, Latvijas PSR Zinatnu akad.
izdevniecība. Vol.6. 1963: 239 p. (MIRA 16:5)

1. Latvijas Padomju Socialistiskās Republikas Zinatnu akademijs.
Bioloģijas un medicīnas zinātņu nodaļa. 2. Latvijas Padomju
Socialistiskās Republikas Zinatnu akademijs (for Bamberg, Ozols).
3. Latvijas Padomju Socialistiskās Republikas Zinatnu akademijs
korespondenta jloceklis (for Eihe). 4. Vissavienības Lenina
lauksaimniecības akademijs korespondenta jloceklis (for Vanags).
(Latvia--Field crops)

23095

S/108/61/000/007/007/007
D204/D305

9.1300

AUTHORS:

Bamberskiy, M.V., and Shelukhina, T.V.

TITLE:

Thermal design of ferrite resonant switches

PERIODICAL:

Radiotekhnika, no. 7, 1961, 64-74

TEXT: In designing resonant ferrite switches for medium and high power levels the problem arises of designing the switch so as to satisfy thermal working conditions. This is because the temperature of ferrite for a given construction should correspond to the values of the transmitted and reflected power, and the lowering of temperature may sometimes be required, for which a forced cooling system should again be designed. In the present article the author discusses the design of such switches at SHF from thermal considerations under the following assumptions: 1) There exists an ideal thermal contact between the feeder and the ferrite; 2) There is a forced air flow inside and outside the switch. From the practical point of view two cases are of the greatest interest. A) The design for the ferrite temperature as determined for a switch con-

Card 1/5

Thermal design of ferrite resonant...

S/108/61/000/007/007/007
D204/D305

struction by the levels of transmitted and absorbed power, without forced cooling. This would apply to medium power switches dissipating up to 50 watt in the ferrite and B) A system with forced cooling as determined by the construction of the switch, i.e. high power switches, dissipating 50 -500 watt or more of power. The analysis is based on considering the construction of the switch in a rectangular waveguide as shown in Fig. 1. The temperature distribution within the volume of ferrite is not even. The problem of designing switches working at medium power levels without forced cooling reduces to problems in heat technology. The problem is attacked by neglecting the irregularities of the temperature curve around the waveguide perimeter, which results in a somewhat lower temperature of the ferrite. If there are two ferrite plates in the waveguide and the waveguide material is copper, the error introduced will be less than 10°C. The design of the switch is based on the diagram in Fig. 4. The heat balance is accordingly: $Q_1 = Q_2 + Q_3$ (12) where Q_1 - heat dissipated by the two ferrite plates [Abstracter's note: Only one is shown in Fig. 4], Q_2 - heat radiated by the wave-

Card 2/5

Thermal design of ferrite resonant...

S/108/61/000/007/007/007
D204/D305

guide along the location of ferrite plates; Q_3 - heat conducted by the rest of the waveguide. The analysis of systems with forced cooling, working at power levels of the order of several hundred watts or more is based on the design of the switch as shown in Fig. 7 with forced liquid cooling. It is assumed that all heat generated in ferrites is carried away. The value of α can be determined from the dimensions of cooling grooves, from the quantity of expended cooling liquid and from the magnitude of the Nusselt number which in turn is determined from the equations of the critical velocity of flow, which are different for laminar circulating or turbulent flow of liquid in cooling grooves (Ref. 2: S.S. Kutateladze, V.M. Borishanskiy, Spravochnik po teploperedeache (Guide on Thermal Transfer), GEI, 1958). The theory described in this article for the design of a cooling system has been experimentally proved on a sample resonant switch in a waveguide 72 x 34 mm. The temperature curves in the cross sectional area of the waveguide were measured using copper constantan thermocouples with and without the cooling system. The results of the experiment are shown in Fig. 11. The broken line in it represents the theoretical curve evaluated from

Card 3/5

Thermal design of ferrite resonant...

23095
S/108/61/000/007/007/007
D204/D305

the formula $\Delta t_x = \Delta t e^{-mx}$ (38) where Δt_x - the temperature difference between the waveguide wall and the cooling liquid at a distance x from the surface of ferrite; $m = \sqrt{\frac{\alpha p_g}{\lambda_w F_g}}$. Fig. 11 shows

good agreement of experiment with theory. There are 11 figures and 2 Soviet-bloc references.

SUBMITTED: October 28, 1960

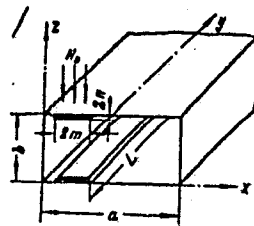


Fig. 1, Pnc. 1.

Fig. 1

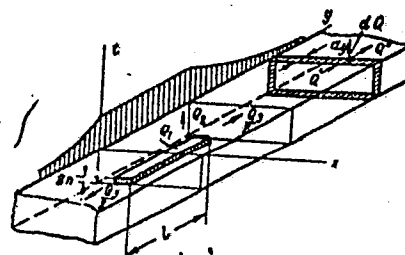


Fig. 4, Pnc. 4

Fig. 4

Card 4/5

BAMBOV, D. Kh.

Certain seasonal variations in registration of pulmonary tuberculosis.
Suvrem. med., Sofia 9 no.7:76-82 1958.

1. Iz Okruzhnina tubdispanser v gr. Burgas Gl. lekar: M. Karapaleva).
(TUBERCULOSIS, PULMONARY, epidemiology,
seasonal variations (Bul))
(WEATHER,
seasonal variations in pulm. tuberc. (Bul))

Poisonings

BULGARIA

BAMBOV, Khr., CHOMAKOV, M., and dimitrova, n., Chair of Facultative Therapy (Head Prof. B. Yurkov) and Chair of Forensic Medicine (Head Prof. P. Mironov) Advanced Medical Institute, Plovdiv

"Group Poisoning with Lindane"

Sofia, Suvremenna Meditsina, Vol 17, No 6, 1966, pp 477-481

Abstract: Observations were carried out on 11 persons who were poisoned with lindane (gamma-hexachloran) as a result of consuming coffee to which sugar containing this substance had been added. The amount of lindane ingested was 0.60 g per person. Among the symptoms were loss of consciousness, disturbances of cardiac activity, gastrointestinal disturbances, and a neuropsychiatric syndrome of the type described in the literature in connection with hexachloran intoxication, which was similar in some respects to that exhibited on poisoning with strychnine (clonic seizures, etc.). The patients were treated by pumping out the stomach, subcutaneous injections of luminal Na, administration of glucose and vitamin C solutions, and in some cases administration of vitamin B₁. All of the patients recovered. Fourteen references (4 Bulgarian, 4 USSR, 6 Western). Russian and English summaries. Manuscript received Jan 66.

1/1